

Title (en)

SINGLE-ARM PANTOGRAPH WITH DEVICE FOR PREVENTION OF MECHANICAL OVERLOAD

Publication

EP 0311048 B1 19930310 (DE)

Application

EP 88116491 A 19881005

Priority

AT 256987 A 19871008

Abstract (en)

[origin: EP0311048A1] The device for preventing mechanical overloads, which is coupled to a single-arm pantograph, brings about the triggering of the normal lowering process for the pantograph in the event of a fault, i.e. when inadmissibly large horizontal forces occur on the horned slipper holder (7). This occurs according to the invention by evacuating the air from a control line (28) for a precontrol valve (32) connected to the feeder line (33) to the lowering cylinder (14), which control line is acted fed with pressure from the main air connection (36) via of a throttle valve (34). The end (27) of this control line (28), on the pantograph side, is provided with an openable closing element (26) which is in a mechanical operative connection which brings about or maintains its closed state with a swivel lever (22) which is held in a position of rest in a known manner by means of a fracture bolt (25) and on which the lower joint of the coupling rod (4) is arranged. <IMAGE>

IPC 1-7

B60L 5/28

IPC 8 full level

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CPC (source: EP)

B60L 5/28 (2013.01); **B60L 2200/26** (2013.01)

Cited by

CN104309487A; CN104477036A; CN103434410A; CN106740137A; CN104029599A; CN104553815A; CN110549856A; CN111347880A; CN112706619A; CN114401860A; WO2021028019A1

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